

Title (en)

AUTOMATIC DISPLAY OF CLOSED CAPTIONING INFORMATION

Title (de)

AUTOMATISCHE ANZEIGE VON UNTERTITELINFORMATIONEN

Title (fr)

AFFICHAGE AUTOMATIQUE D'INFORMATIONS DE SOUS-TITRAGE CODÉ

Publication

**EP 3542542 A1 20190925 (EN)**

Application

**EP 17870706 A 20171107**

Priority

- US 201615357319 A 20161121
- US 201715689271 A 20170829
- US 2017060344 W 20171107

Abstract (en)

[origin: WO2018093609A1] Disclosed herein are system, method, and computer program product embodiments for the automatic display of closed captioning information. An embodiment operates by accessing user behavior information for a program. It is determined, based on the user behavior information, that multiple closed captioning requests overlap during a portion of the program. A start time indicating when to begin and an end time indicating when to end display of closed captioning information for the overlapping portion is calculated. The program including the start time and the end time corresponding to the overlapping portion is provided for playback, wherein during a playback of the program, the closed captioning information is automatically displayed between the start time and the end time.

IPC 8 full level

**H04N 21/488** (2011.01); **H04N 21/442** (2011.01); **H04N 21/466** (2011.01); **H04N 21/472** (2011.01)

CPC (source: EP US)

**H04N 21/44213** (2013.01 - EP US); **H04N 21/4667** (2013.01 - EP US); **H04N 21/47217** (2013.01 - EP US); **H04N 21/4884** (2013.01 - EP US); **H04N 7/08** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018093609 A1 20180524**; EP 3542542 A1 20190925; EP 3542542 A4 20200527; EP 3542542 B1 20230927; US 10194209 B2 20190129; US 2018146259 A1 20180524

DOCDB simple family (application)

**US 2017060344 W 20171107**; EP 17870706 A 20171107; US 201715689271 A 20170829